

16/18 - (C) W. / DERWENT

- AN - 1993-269760 [34]
- AP - JP19920207868 19920804
- PR - JP19910196811 19910806
- TI - Hypolipidaemic drug for efficient cholesterol redn. in blood and compatibility - comprises interleukin 6 prepd. by human cell culture excluding contamination and antibody prodn. on admin. into body, avoiding enzymatic reaction redn.
- IW - HYPOLIPAEMIC DRUG EFFICIENCY CHOLESTEROL REDUCE BLOOD COMPATIBLE COMPRISE INTERLEUKIN PREPARATION HUMAN CELL CULTURE EXCLUDE CONTAMINATE ANTIBODY PRODUCE ADMINISTER BODY AVOID ENZYME REACT REDUCE
- FA - (TORA) TORAY IND INC
- FI - JP5186367 A 19930727 DW199334 A61K37/02 005pp
- IC - A61K37/02
- AB - J05186367 The drug comprises interleukin 6 (IL-6) as an effective ingredient.
- Pref. interleukin 6 is produced by human cell culture.
 - IL-6 is pref. deriv. from recombinant IL-6 producing cell culture or most pref. from IL-6 producing cell culture which may exclude contamination and antibody prodn. when administered into the body.
 - USE/ADVANTAGE - The drug efficiently reduces cholesterol in blood, and is pharmaceutically useful as hypolipidaemic drug. The drug is pref. compatible with the living body, f.f. HMG-CoA reductase inhibitor which may inhibit the enzymatic reactions. By subcutaneously administering the drug to rabbits at 1 micro g/kg/day, the whole cholesterol content was reduced.
 - In an example, NIM-1 cell deriv. from thyroid gland tumour was cultured, and the obtd. mRNA was treated with reverse transcriptase and PCR reacted utilising the following chemically-synthetic oligomers: CCGATCGATGCCAGTACCCCCAGGA and GCCACGGATCCTACATTTGCCGAAG. The obtd. DNAs were digested with ClaI and BamHI and inserted into E.Coli. expression vector pKM6. The formed IL-6 expression vector pKMIL-6 was transformed into E.coli.HB101, and cultured in a medium with indol acrylate, glucose, and casamino acid at 300 rpm., 1VVM, and 25 deg.C. for 60 hrs.. The culture was centrifuged, buffered, and broken down. The collected broken extract was purified by chromatography to obtain IL-6. Purity was 95% (Dwg.0/0)